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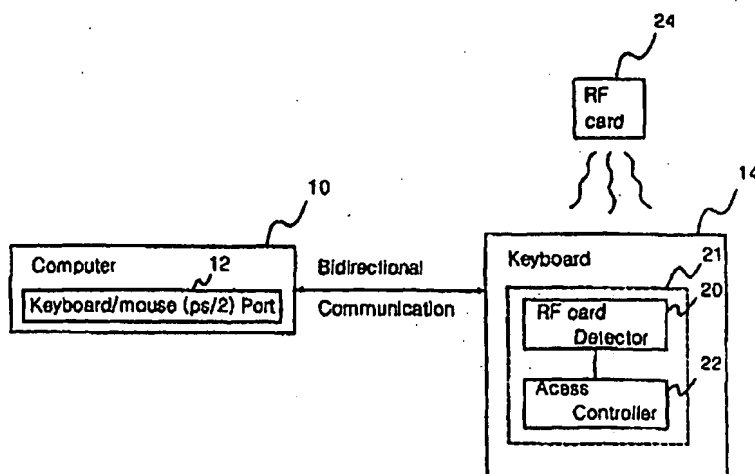
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(54) Title: COMPUTER SECURITY DEVICE AND METHOD USING RF CARDS



(57) Abstract: A computer security device and method for controlling access to computers using radio frequency (RF) cards are disclosed. The computer security device includes an RF card detector for detecting a user identification (ID) stored in an RF card, and an access controller, coupled to the RF card detector, for comparing the user ID detected by the RF card detector with a prestored user ID, and controlling communication between the computer and the input device of the computer based on the comparison results, so as to control access to a computer. The method includes the steps of detecting a unique ID stored in the RF card, first comparing the detected ID with an ID prestored in the computer security device, second comparing the detected ID with an ID prestored in the computer, and controlling communication between the computer and the input device of the computer based on the first and second comparison results.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER**IPC7 G06F 1/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, 4123754 A (ARMSTRONG FRANK L.) 31 OCTOBER 1978 see abstract	1,3
Y	US, 5058161 A (WEISS KENNETH) 15 OCTOBER 1991 see abstract	1-6
A	US, 4752680 A (SAAB AUTOMATION AB) 21 JUNE 1988 see abstract	1-6
A	JP, 06178218 A (MURATA MFG CO LTD.) 24 JUNE 1994 see claims	1-6



Further documents are listed in the continuation of Box C.



See patent family annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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TITLE: Computer security device to control access to
computer,
compares user ID in RF card in vicinity with ID
of
authorized user, to control communication
between
computer and input device and access to
computer

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WO 200102934 A1	January 11, 2001	E
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ABSTRACTED-PUB-NO: WO 200102934A

BASIC-ABSTRACT:

NOVELTY - A radio frequency (RF) card detector (20) detects presence of RF card (24) in preset range and user ID stored in the card. An access controller (22) compared the detected user ID with the user ID pertaining to authorized user of computer, stored in memory and controls communication between computer (10) and input device such as mouse or keyboard (14) based on comparison, to control access to computer.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the method for controlling communication between computer and input device.

USE - Is incorporated in keyboard or mouse, for controlling access to computer such as PCs, laptops, handheld computers, etc using radio frequency cards.

ADVANTAGE - Is highly effective and efficient in preventing unauthorized individuals from accessing the computer, with minimum or no inconvenience to user, since user verification process can be performed automatically without manual input of any passwords and ID, by merely presenting RF card in the vicinity of RF card detector.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of computer security device.

Computer 10

Keyboard 14

RF card detector 20

Access controller 22

RF card 24

CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: COMPUTER SECURE DEVICE CONTROL ACCESS COMPUTER COMPARE
USER ID RF

CARD VICINITY ID USER CONTROL COMMUNICATE COMPUTER INPUT
DEVICE

ACCESS COMPUTER

DERWENT-CLASS: T01 T04

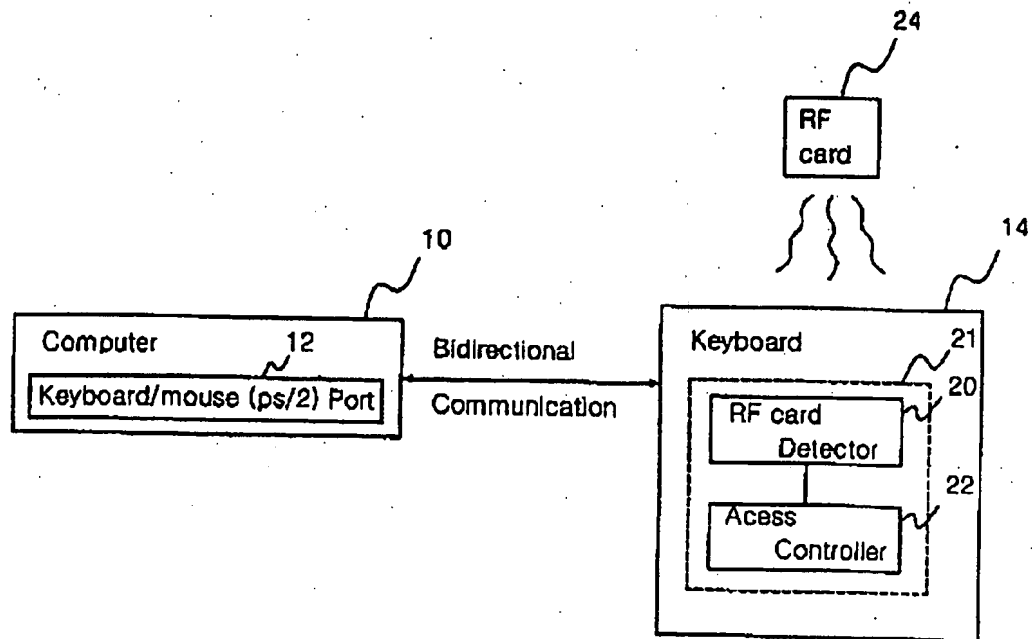
EPI-CODES: T01-J12C; T01-X; T04-C09; T04-K01;

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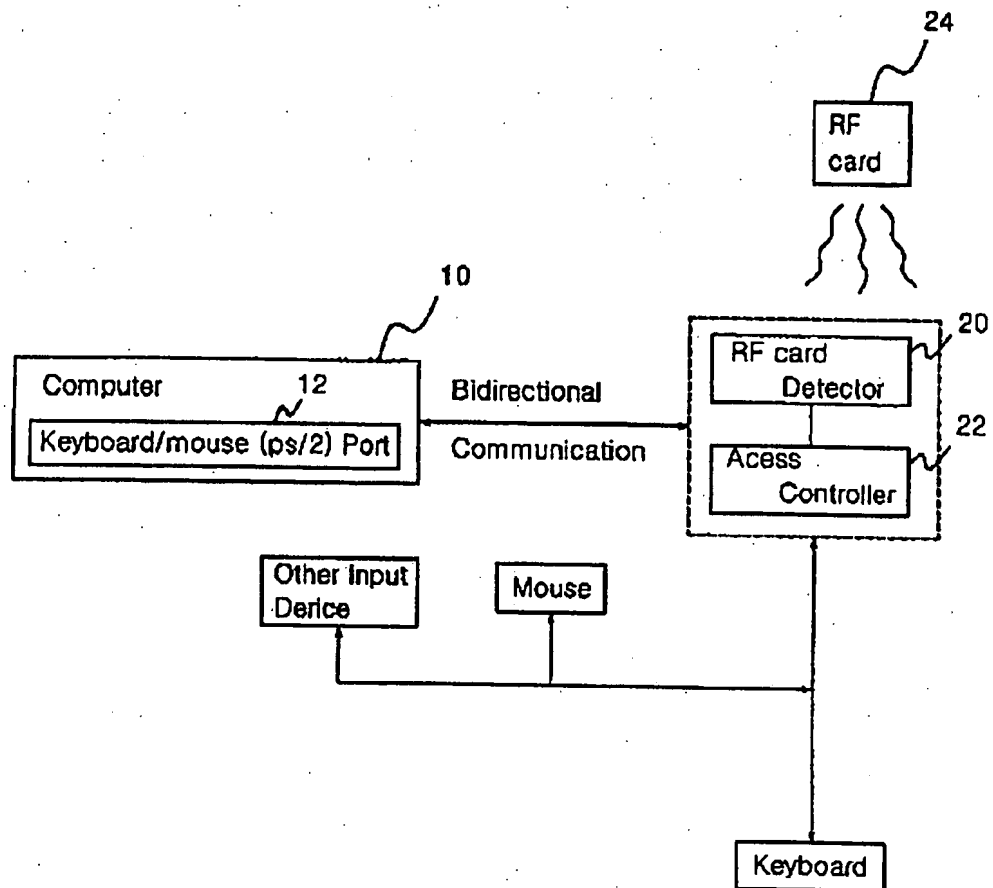
Non-CPI Secondary Accession Numbers: N2001-107730

【 Drawings 】

【fig1】



[fig 2]



[fig 3]

